

Fig. 1

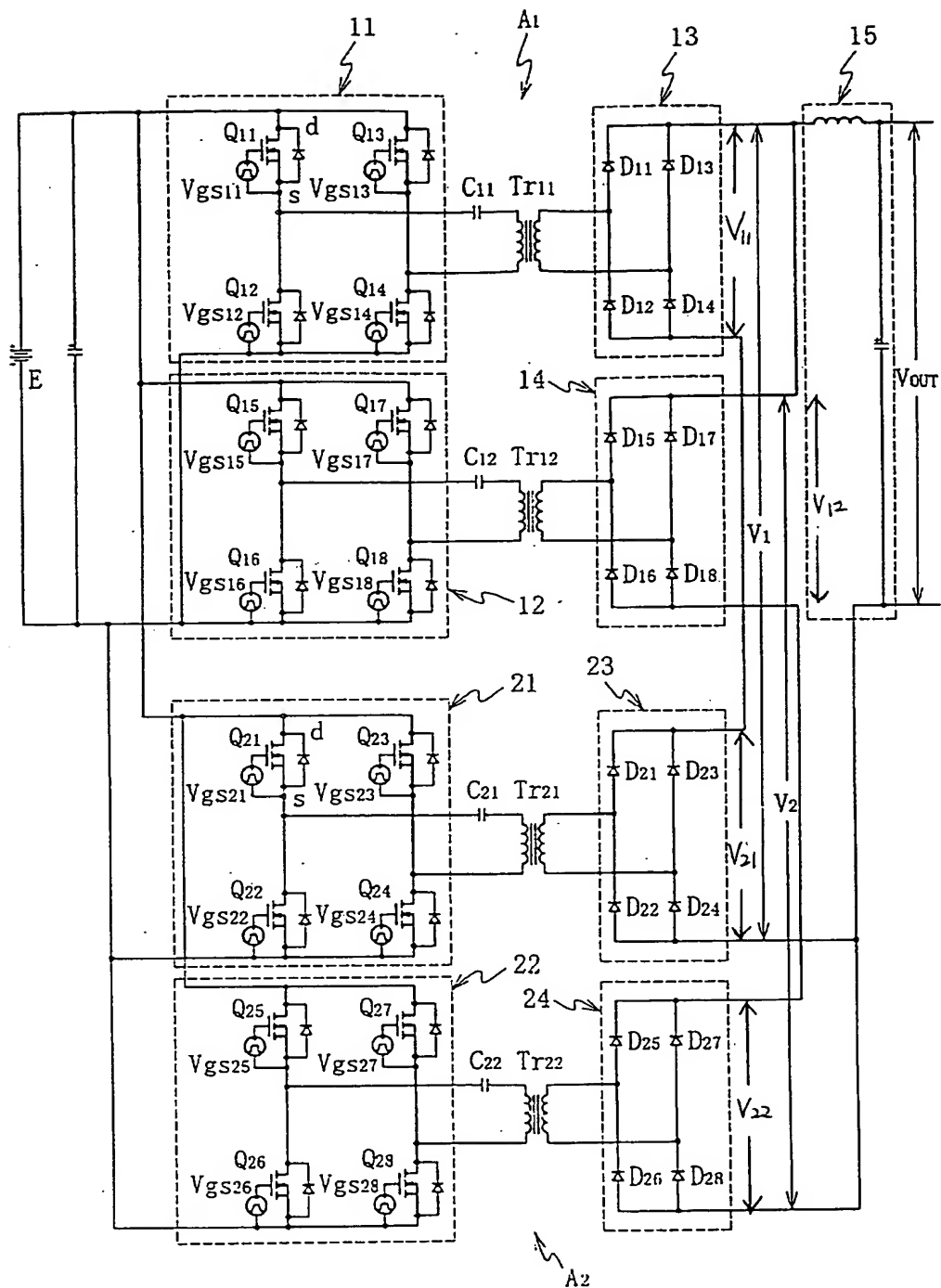
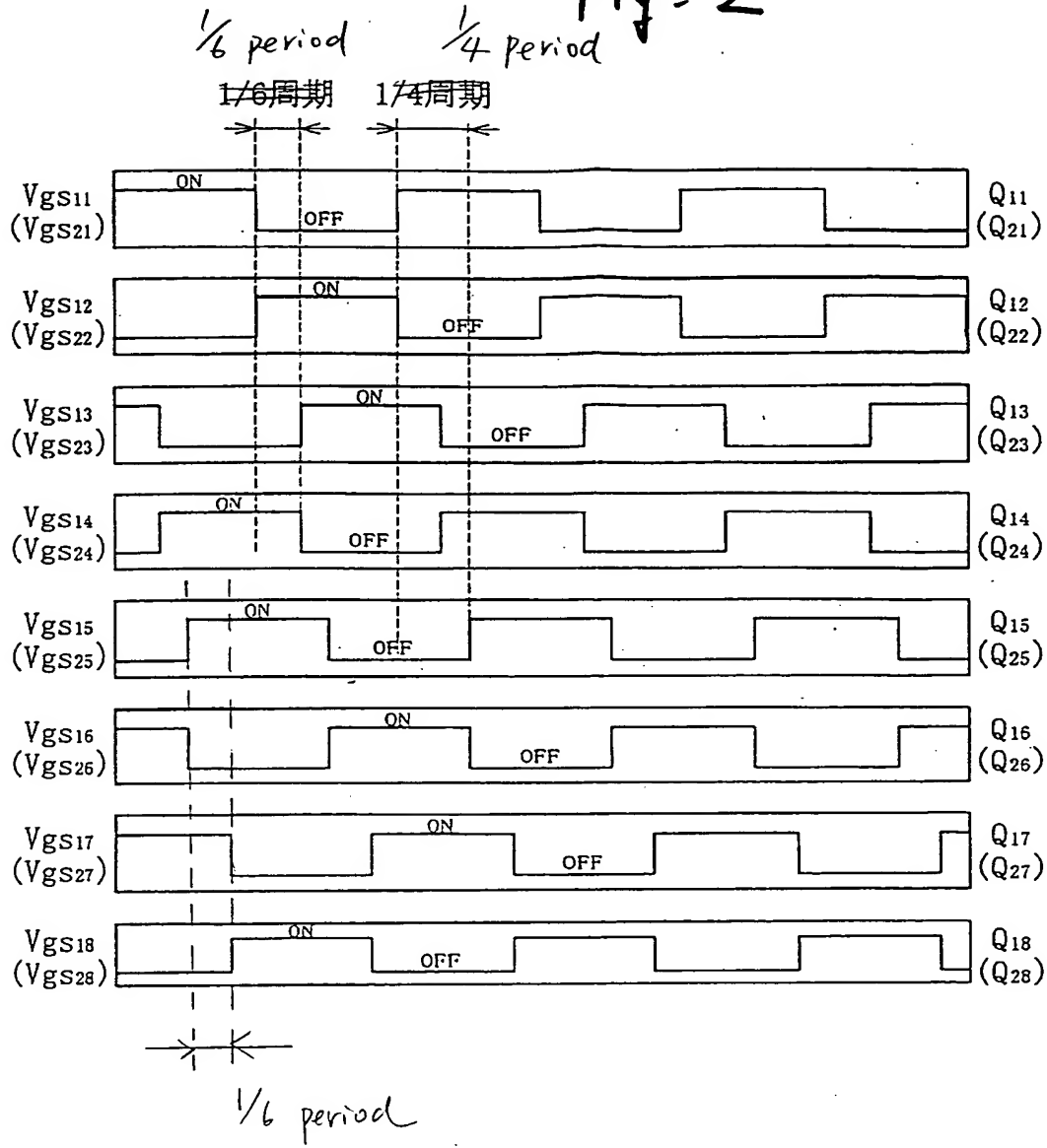


Fig-2



Commutation timing Fig. 3

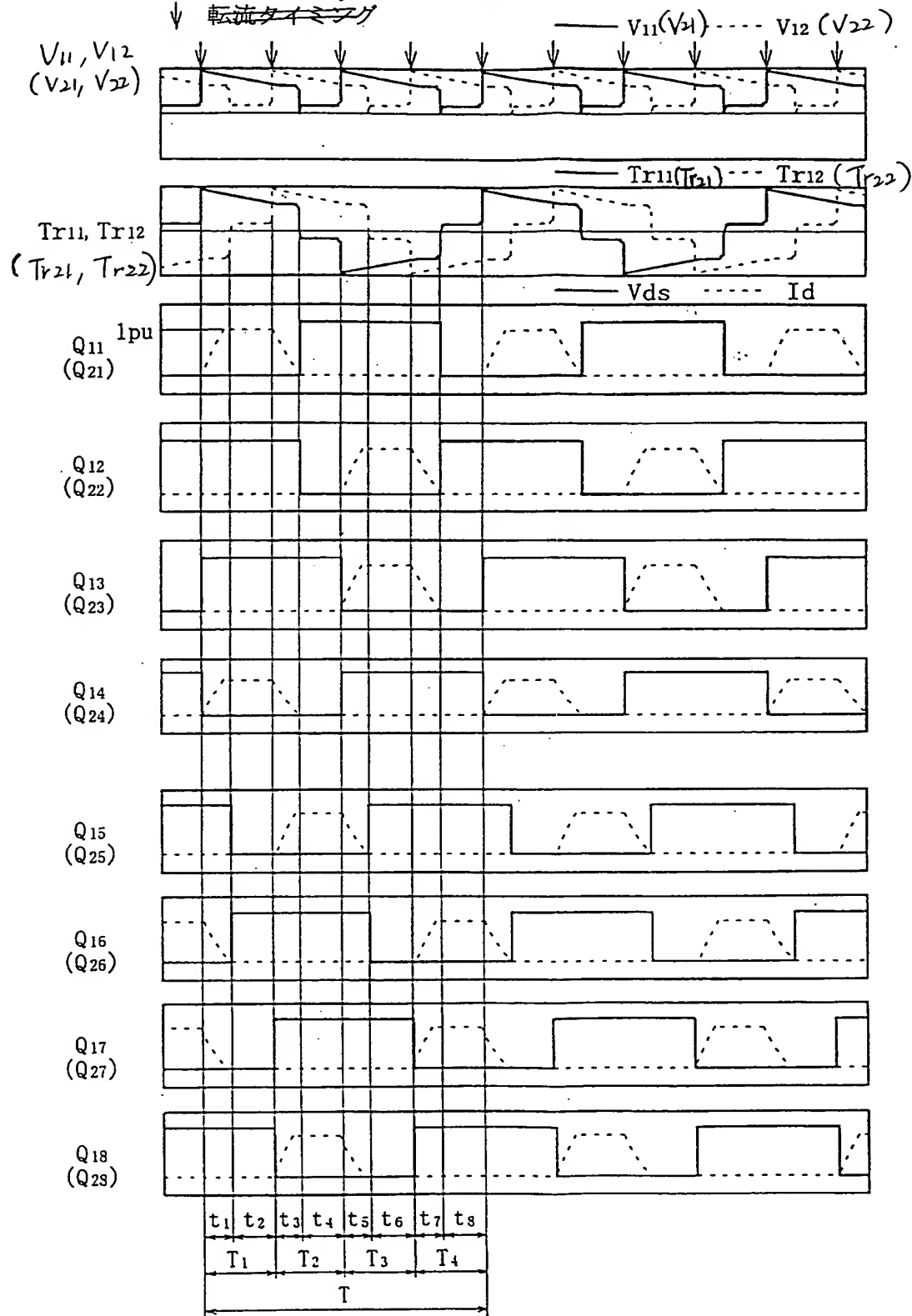


Fig. 4

$\frac{1}{4}$ period One period $\frac{1}{4}$ period

	1 周期 [T]							
	1/4 周期 T ₁ [1/4 · T]		1/4 周期 T ₂ [1/4 · T]		1/4 周期 T ₃ [1/4 · T]		1/4 周期 T ₄ [1/4 · T]	
	t ₁	t ₂	t ₃	t ₄	t ₅	t ₆	t ₇	t ₈
Q ₁₁ , Q ₁₄ (Q ₂₁ , Q ₂₄)	0 → 1	1 → 1	1 → 0	0 → 0	0 → 0	0 → 0	0 → 0	0 → 0
Q ₁₂ , Q ₁₃ (Q ₂₂ , Q ₂₃)	0 → 0	0 → 0	0 → 0	0 → 0	0 → 1	1 → 1	1 → 0	0 → 0
Q ₁₅ , Q ₁₈ (Q ₂₅ , Q ₂₈)	0 → 0	0 → 0	0 → 1	1 → 1	1 → 0	0 → 0	0 → 0	0 → 0
Q ₁₆ , Q ₁₇ (Q ₂₆ , Q ₂₇)	1 → 0	0 → 0	0 → 0	0 → 0	0 → 0	0 → 0	0 → 1	1 → 1

Note

- 注: 0 → 1 indicates that current changes from 0 to 1 p.u.
 1 → 1 indicates that it is maintained at current of 1 p.u.
 1 → 0 indicates that current changes from 1 p.u. to 0.

Fig. 5

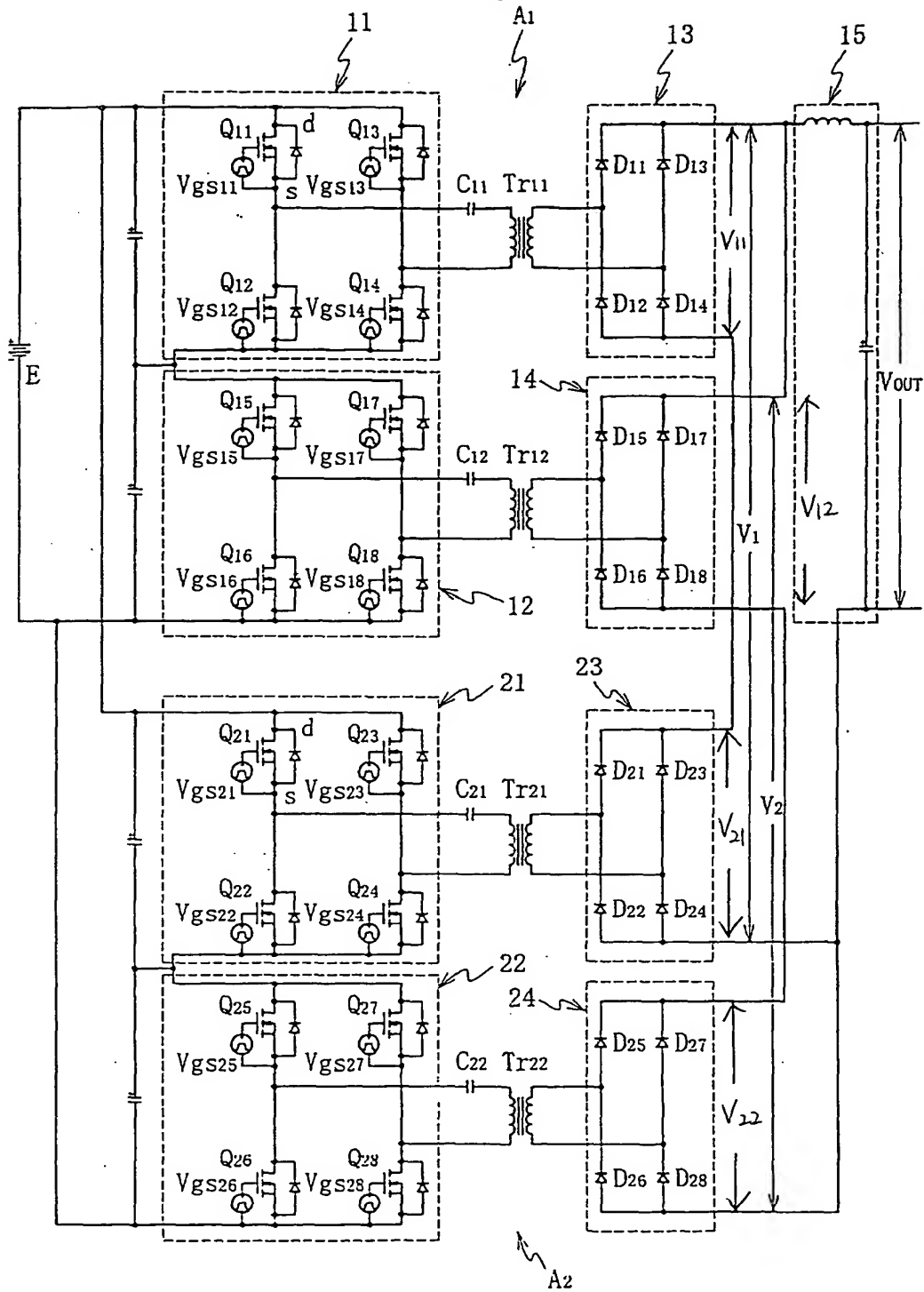
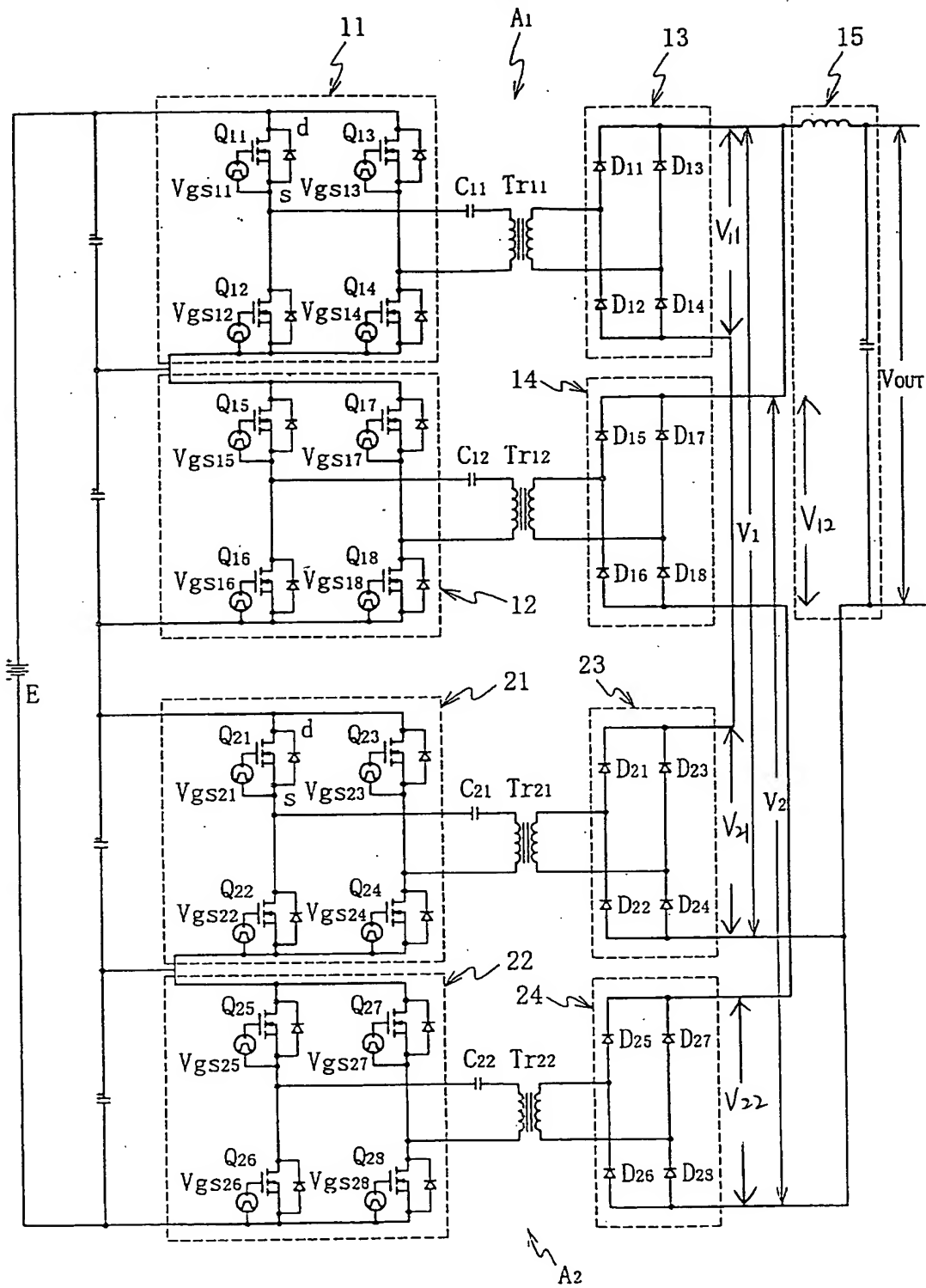


Fig. 6



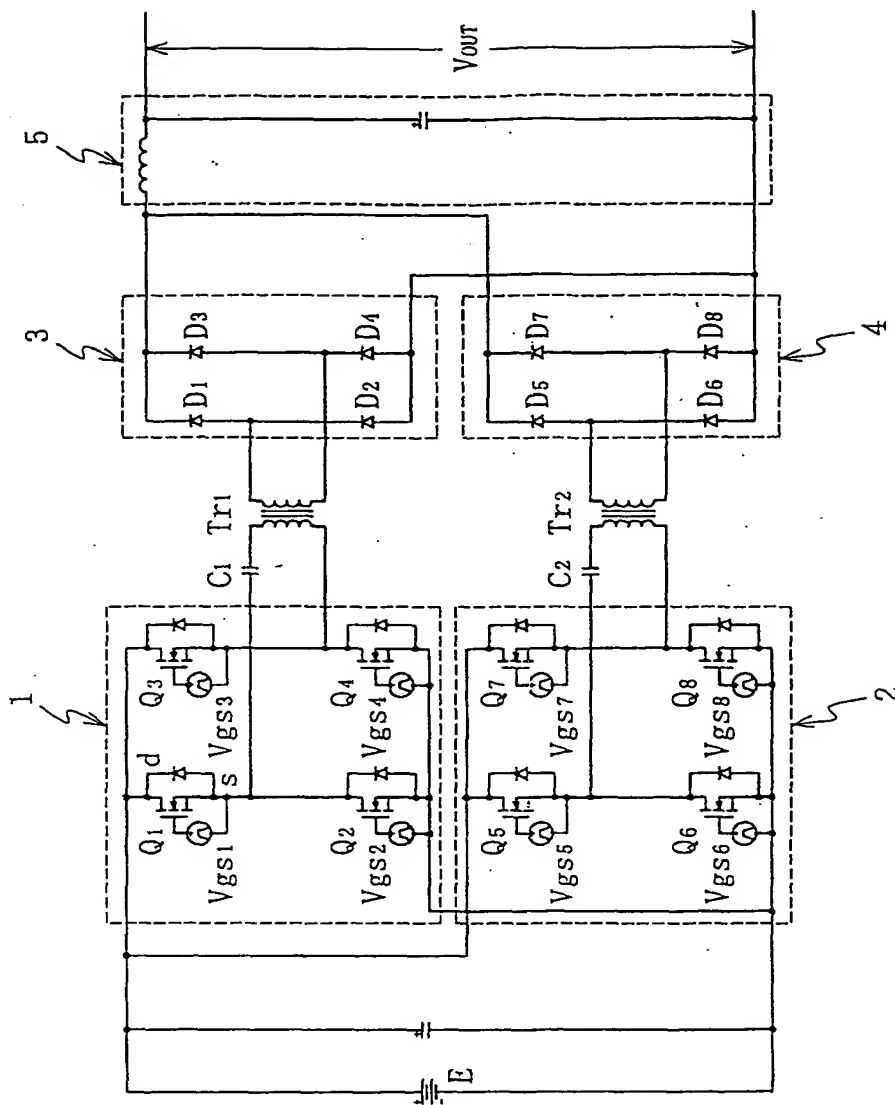


Fig. 8

